PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

PCT-1	Applicant's or agent's file reference PCT-149 FOR FURTHER		FOR FURTHER ACT	ION See Notificati Preliminary E	on of Transmittal of International Examination Report (Form PCT/IPEA/416)
International application No. International filing date (control PCT/EP 03/13828 28.11.2003		ay/month/year)	Priority date (day/month/year) 10.10.2003		
		Patent Classification (I A61K31/201	PC) or both national classification and	d IPC	
Applica UNIV	ant ERSI	TAT DE LES ILLE	ES BALEARS		
1.	This Ir Autho	nternational prelimir rity and is transmitt	nary examination report has been ed to the applicant according to A	prepared by this In	ternational Preliminary Examining
2.	This F	REPORT consists o	f a total of 4 sheets, including thi	s cover sheet.	
			accompanied by ANNEXES, i.e. s I are the basis for this report and d Section 607 of the Administration	n sneets containin	ption, claims and/or drawings which have g rectifications made before this Authority er the PCT).
These annexes consist of a total of 1 sheets.					
3.	This	report contains indi	cations relating to the following ite	ems:	
3.	This			ems:	
3.	_	☑ Basis of the o☐ Priority	ppinion		
3.	1	☑ Basis of the o☐ Priority			ep and industrial applicability
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Date 28.0	IIIIIVVVVIIIVIIIIVIIII	Basis of the or Priority Priority Non-establis Lack of unity Reasoned st citations and Certain docu Certain defe Certain obse	ppinion hment of opinion with regard to not of invention satement under Rule 66.2(a)(ii) will explanations supporting such standards cited cts in the international application ervations on the international application	ovelty, inventive steament the regard to novelty atement lication	, inventive step or industrial applicability;
Date 28.0	IIIIIVVVVIIIVIIIIVIIII	Basis of the or Priority Priority Non-establis Lack of unity Reasoned stations and Certain docu Certain defe Certain observations of the demandance of the demandance of the demandance of the examining authority: European Patent of the demandance	hment of opinion with regard to not of invention satement under Rule 66.2(a)(ii) will explanations supporting such standards of the international application ervations on the international application of the international	th regard to novelty atement lication Date of completion 25.01.2006	, inventive step or industrial applicability;



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/13828

, which is:

I.	Basis	of the	report
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Drawings, Sheets

With regard to the elements of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):
 Description, Pages

 1-17 as originally filed

 Claims, Numbers

 received on 28.06.2005 with letter of 25.06.2005

1/8-8/8 as originally filed
With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language:

		The second section of the sect
		the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
		the language of publication of the international application (under Rule 48.3(b)).
		the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).
3.	Witl inte	n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the rnational preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in written form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence

4. The amendments have resulted in the cancellation of:

the description,	pages:
the claims,	Nos.:
the drawings,	sheets:

listing has been furnished.

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5. 🏻	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).
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(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N) Yes: Claims 1-5

No: Claims

Inventive step (IS) Yes: Claims 1-5

No: Claims

Industrial applicability (IA) Yes: Claims 1-5

No: Claims

2. Citations and explanations

see separate sheet

INTERNATIONAL PRELIMINARY EXAMINATION REPORT - SEPARATE SHEET

1. The amended claim 1 fulfill the criteria set by article 34(2)b and is therefore accepted (based to old claim 2 and page 8 lines 21-25, page 11 lines 5-14 and page 12 lines 6-17). The same applies to dependent claims 2-5 (based to old claims 3-6)

ITEM V

WO03030891 CPA (closest prior art)

- 1. Both the application and CPA describe the use same type of compounds (2-substituted oleic and related acids (2-hydroxyoleic acid)) as in this application for treating e.g. hypertension and obesity associated with structural changes in cell membranes.
- 2. The difference is, that in CPA there is no mentioning of use in food or dietary supplement type of products.
- 3. The technical problem solved by the present application is to provide an advantageous technical effect to food compositions, to avoid or reduce the risks of developing hypertension and obesity.
- 4. This application provides an alternative route to specific compound (2-substituted oleic and related acids (2-hydroxyoleic acid)) administration. D2-D4 comprise different fatty acids administered also as functional food to avoid or reduce the risks of cardiovascular diseases (hypertension or obesity not mentioned). WO0200042 describes the use of different long chain fatty acids to avoid or reduce obesity as functional food supplement. The compounds in the previous mentioned documents are not closely related derivatives or otherwise closely related compounds. The compounds described in CPA are not administered orally, but injected and therefore not easily changeable to other types of oral formulations (functional foods). Therefore there is no single document cited in the search report to give a hint to a skilled person to administer 2-substituted oleic and related acids (2-hydroxyoleic acid) as functional food additives. It is not regarded obvious for a skilled person to administer 2-substituted oleic and related acids (2-hydroxyoleic acid) as functional food additives as described in the present application.

Accordingly claim 1 (also dependent claims 2-5) meet the requirements of Articles 33(2) and (3) PCT.

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CLAIMS

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- 1.- Use of compounds of general formula I: $COOH-CHR-(CH_2)_m-CH=CH-(CH_2)_n-CH_3$, where R is OH and m and n have, independently, a value between 0 and 15, in the manufacture of food additives and/or ingredients, dietary products, acceptable food forms, functional food additives and foods in general, the ingestion of which is useful for the prevention and control of hypertension and/or obesity.
- 2.- Use according to Claim 1, characterized in that the compounds of general formula I preferably have between 12 and 28 carbon atoms.
- 15 3.- Use according to any one of Claims 1 or 2 characterized in that the compound of general formula I is preferably 2-hydroxyoleic acid.
- 4.- Use according to claim 3, in which the ingestion of 2-20 hydroxyoleic acid, as food additive and/or ingredient dietary product, acceptable food form, functional food additive or food in general, is useful in the prevention and control of hypertension.
- 25 5.- Use according to claim 3, in which the ingestion of 2-hydroxyoleic acid, as food additive and/or ingredient dietary product, acceptable food form, functional food additive or food in general, is useful in the prevention and control of obesity.

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